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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JUL 02	LMEDLINE coverage updated
NEWS 3	JUL 02	SCISEARCH enhanced with complete author names
NEWS 4	JUL 02	CHEMCATS accession numbers revised
NEWS 5	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS 6	JUL 16	CAplus enhanced with French and German abstracts
NEWS 7	JUL 18	CA/CAplus patent coverage enhanced
NEWS 8	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS 9	JUL 30	USGENE now available on STN
NEWS 10	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 11	AUG 06	BEILSTEIN updated with new compounds
NEWS 12	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 13	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS 14	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS 15	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 16	AUG 27	USPATOLD now available on STN
NEWS 17	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 18	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 19	SEP 13	FORIS renamed to SOFIS
NEWS 20	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 21	SEP 17	CA/CAplus enhanced with printed CA page images from 1967-1998
NEWS 22	SEP 17	CAplus coverage extended to include traditional medicine patents
NEWS 23	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 24	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:00:46 ON 03 OCT 2007

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:01:07 ON 03 OCT 2007
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 OCT 2007 HIGHEST RN 949076-82-8
DICTIONARY FILE UPDATES: 2 OCT 2007 HIGHEST RN 949076-82-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

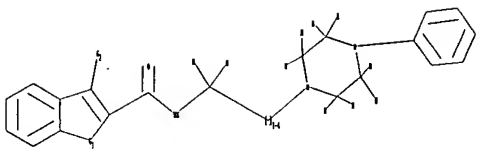
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

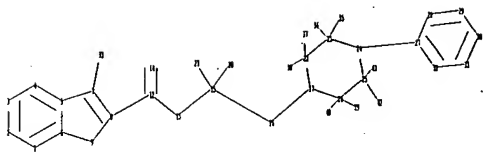
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10519487a.str





chain nodes :
12 13 14 15 16 20 21 33 35 36 37 38 39 40 41 42
ring nodes :
1 2 3 4 5 6 7 8 9 17 22 23 24 25 26 27 28 29 30 31 32
chain bonds :
7-33 8-12 12-13 12-14 13-15 15-16 15-20 15-21 16-17 22-37 22-38 23-35
23-36 24-27 25-41 25-42 26-39 26-40
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 17-22 17-26 22-23 23-24 24-25
25-26 27-28 27-32 28-29 29-30 30-31 31-32
exact/norm bonds :
5-7 6-9 7-8 7-33 8-9 8-12 12-13 12-14 13-15 15-16 15-20 15-21 16-17
17-22 17-26 22-23 22-37 22-38 23-24 23-35 23-36 24-25 24-27 25-26 25-41
25-42 26-39 26-40
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 27-28 27-32 28-29 29-30 30-31 31-32
isolated ring systems :
containing 1 : 17 : 27 :

G1:O,S,N,Te

G2:H,X,Ak

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 12:CLASS
13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:Atom 20:CLASS 21:CLASS 22:Atom
23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom
32:Atom 33:CLASS 35:CLASS 36:CLASS 37:CLASS 38:CLASS 39:CLASS 40:CLASS
41:CLASS 42:CLASS

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 11:01:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 67 TO ITERATE

100.0% PROCESSED 67 ITERATIONS 4 ANSWERS
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 849 TO 1831
PROJECTED ANSWERS: 4 TO 200

L2 4 SEA SSS SAM L1

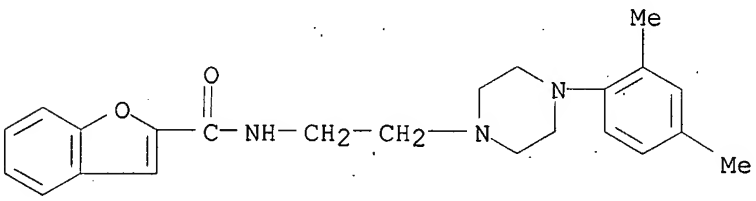
=> s l1 full
FULL SEARCH INITIATED 11:01:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1169 TO ITERATE

100.0% PROCESSED 1169 ITERATIONS 116 ANSWERS
SEARCH TIME: 00.00.01

L3 116 SEA SSS FUL L1

=> d scan

L3 116 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN
IN 2-Benzofurancarboxamide, N-[2-[4-(2,4-dimethylphenyl)-1-piperazinyl]ethyl]-, monohydrochloride (9CI)
MF C23 H27 N3 O2 . Cl H



● HCl

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	173.45	173.66

FILE 'CAPLUS' ENTERED AT 11:03:13 ON 03 OCT 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 3 Oct 2007 VOL 147 ISS 15
FILE LAST UPDATED: 2 Oct 2007 (20071002/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l3 full
L4 34 L3

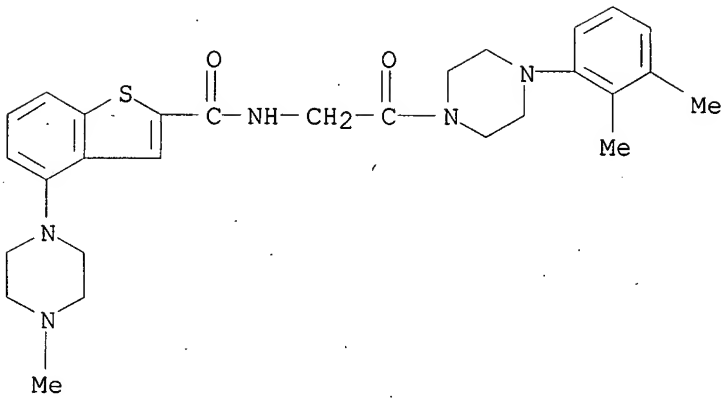
=> s l4 and py<2002
21917986 PY<2002
L5 7 L4 AND PY<2002

=> d ibib abs hitstr tot

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:541732 CAPLUS
DOCUMENT NUMBER: 129:230698
TITLE: Synthesis of new benzothienylpiperazine derivatives and their characterization at both 5HT1A and 5HT1B receptor sites
AUTHOR(S): Lamothe, M.; Pauwels, P. J.; Leborgne, M.; Halazy, S.
CORPORATE SOURCE: Medicinal Chemistry Division and Cellular, Centre de Recherche Pierre FABRE, CASTRES, 81106, Fr.
SOURCE: Medicinal Chemistry Research (1998), 8(3), 132-142
CODEN: MCREEB; ISSN: 1054-2523
PUBLISHER: Birkhaeuser Boston
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A new series of compds. containing a benzothienylpiperazine core and an arylpiperazine (or arylpiperidine) side chain has been prepared and evaluated as mixed 5HT1A and 5HT1B receptor antagonists. A SAR study allowed identification of one new compound as a new potent antagonist at both 5HT1A and 5HT1B receptor subtypes with Ki values in the nanomolar range.
IT 212901-61-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of benzothienylpiperazines as 5HT1A and 5HT1B receptor antagonist)
RN 212901-61-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-[4-(2,3-dimethylphenyl)-1-piperazinyl]-2-oxoethyl]-4-(4-methyl-1-piperazinyl)-, (2E)-2-butenedioate (20:17) (9CI) (CA INDEX NAME)

CM 1

CRN 186594-64-9
CMF C28 H35 N5 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

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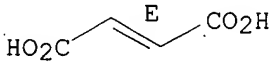
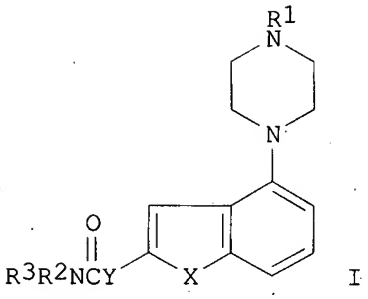


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:134916 CAPLUS
DOCUMENT NUMBER: 126:144292
TITLE: Novel heteroaromatic piperazines for use as drugs
INVENTOR(S): Halazy, Serge; Lamothe, Marie
PATENT ASSIGNEE(S): Pierre Fabre Medicament, Fr.; Halazy, Serge; Lamothe, Marie
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9641802	A1	19961227	WO 1996-FR853	19960606 <--
W: AU, CA, JP, NZ, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2735127	A1	19961213	FR 1995-6825	19950609 <--
FR 2735127	B1	19970822		
AU 9662296	A	19970109	AU 1996-62296	19960606 <--

PRIORITY APPLN. INFO.: FR 1995-6825 A 19950609
WO 1996-FR853 W 19960606
OTHER SOURCE(S): CASREACT 126:144292; MARPAT 126:144292
GI



I

AB Title piperazines I [R1 = H, C1-6 alkyl; X = O, S, NR1; Y = various connecting groups; R2, R3 = (same or different) H, alkyl, cycloalkyl, aryl, aralkyl], useful as inhibitors of cAMP, were prepared Thus, coupling 4-(2,3-dimethylphenyl)piperazine-HCl with [4-(4-methyl-1-piperazinyl)benzo[b]thiophen-2-yl]methanol in the presence of di-2-pyridyl carbonate and Et3N in CH2Cl2 and then treating with fumaric acid gave I.fumarate [R1 = Me; X = S; Y = OCH2; NR2R3 = 4-(2,3-dimethylphenyl)-1-piperazinyl] which were tested for inhibitory activity in several human receptors.

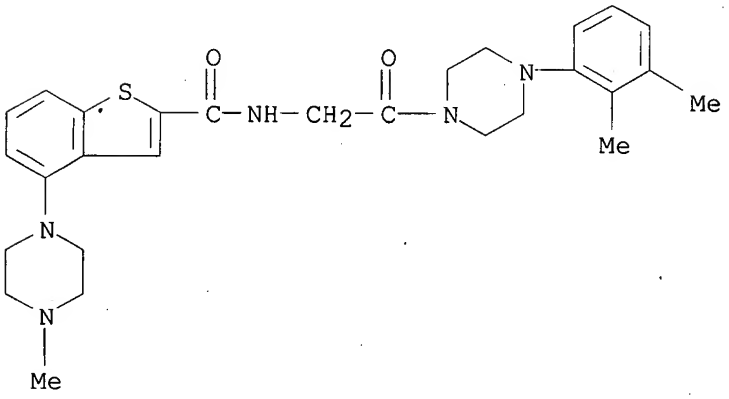
IT 186594-65-0P 186595-59-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperazinyl-benzothiophenes, -benzofurans and -indoles as cAMP inhibitors)

RN 186594-65-0 CAPLUS

CN Benzo[b]thiophene-2-carboxamide, N-[2-[4-(2,3-dimethylphenyl)-1-piperazinyl]-2-oxoethyl]-4-(4-methyl-1-piperazinyl)-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

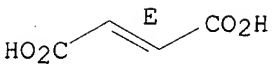
CRN 186594-64-9
CMF C28 H35 N5 O2 S



CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



RN 186595-59-5 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[4-[4-(2,3-dimethylphenyl)-1-piperazinyl]-4-oxobutyl]-4-(4-methyl-1-piperazinyl)-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 186595-58-4
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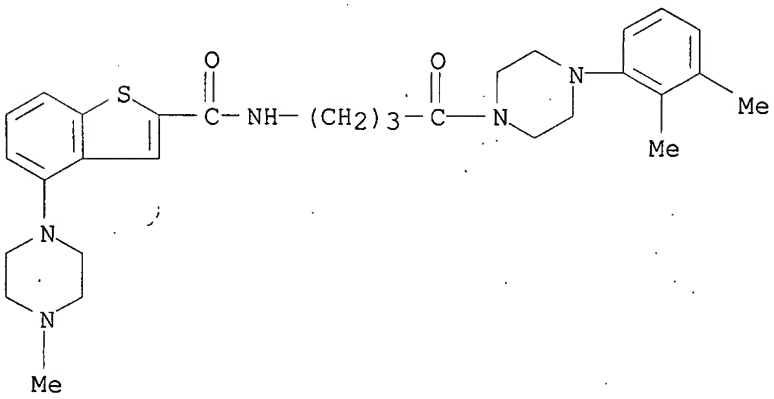
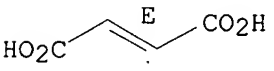


CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1993:124560 CAPLUS
DOCUMENT NUMBER: 118:124560
TITLE: Process for preparation of new (2-methoxyphenyl)piperazine derivatives with 5-HT1A receptor activity
INVENTOR(S): Orjales Venero, Aurelio; Alonso Cires, Luisa
PATENT ASSIGNEE(S): Fabrica Espanola de Productos Quimicos y Farmaceuticos, S. A. (FAES), Spain
SOURCE: Span., 11 pp.
CODEN: SPXXAD
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

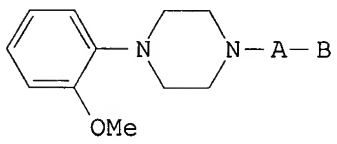
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ES 2027898	A6	19920616	ES 1991-182	19910124 <--
EP 496692	A1	19920729	EP 1992-500008	19920123 <--

R: AT, BE, CH, DE, DK, FR, GB, GR, IT, LI, LU, NL, SE

JP 04321677	A	19921111	JP 1992-11406		19920124 <--
PRIORITY APPLN. INFO.:			ES 1991-182	A	19910124

OTHER SOURCE(S): MARPAT 118:124560

GI



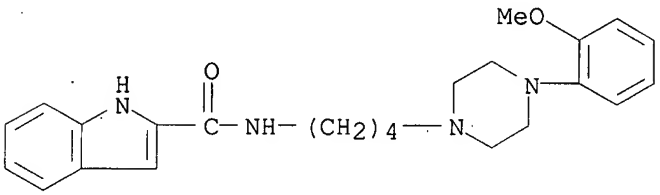
I

AB Title compds. I [A = CO, (CH2)nNHCO, (CH2)nNHCH2; n = 2-4; B = aryl, heteroaryl, aralkyl, heteroaralkyl, cycloalkyl, bicycloalkyl (all optionally substituted by halo (especially Cl), OMe, Me, and/or amino)] and their salts were prepared from corresponding substituted piperazines and acid chlorides. For example, reaction of 1-(4-aminobutyl)-4-(2-methoxyphenyl)piperazine with pyrrole-2-carbonyl chloride in CH2Cl2 containing pyridine at 0-20° gave I [A = (CH2)4NHCO, B = 2-pyrrolyl]. In a test for displacement of [3H]-8-OH-DPAT from isolated rat frontal cortex receptors, I were said to show affinity similar to buspirone (no addnl. data). A second synthesis is described, and approx. 50 I are claimed.

IT 145254-13-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as serotoninergic agent)

RN 145254-13-3 CAPLUS

CN 1H-Indole-2-carboxamide, N-[4-[4-(2-methoxyphenyl)-1-piperazinyl]butyl]-(9CI) (CA INDEX NAME)



L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER:	1992:504274 CAPLUS
DOCUMENT NUMBER:	117:104274
TITLE:	Use of aryl- and heteroaryl piperazinyl carboxamides in the treatment of anxiety, depression, and psychoses
INVENTOR(S):	Abou-Gharbia, Magid A.; Yardley, John P.; Childers, Wayne E., Jr.; Moyer, John A.
PATENT ASSIGNEE(S):	American Home Products Corp., USA
SOURCE:	U.S., 12 pp. Cont.-in-part of U.S. 5,010,078. CODEN: USXXAM
DOCUMENT TYPE:	Patent
LANGUAGE:	English
FAMILY ACC. NUM. COUNT:	2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5106849	A	19920421	US 1991-689409	19910422 <--
ZA 8903836	A	19910130	ZA 1989-3836	19890522 <--
US 5010078	A	19910423	US 1990-493179	19900314 <--
US 5278160	A	19940111	US 1992-848782	19920310 <--
US 5254552	A	19931019	US 1992-852119	19920316 <--

US 5482940	A	19960109	US 1993-48088		19930415 <--
US 5380725	A	19950110	US 1993-91495		19930714 <--
PRIORITY APPLN. INFO.:			US 1988-197890	B2	19880524
			US 1989-297460	B2	19890113
			US 1990-493179	A2	19900314
			US 1989-335075	B2	19890407
			US 1990-533974	B1	19900606
			US 1991-689409	A3	19910422
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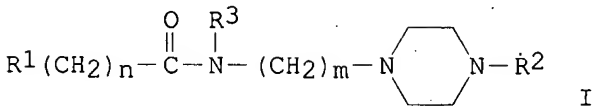
OTHER SOURCE(S): CASREACT 117:104274; MARPAT 117:104274

GI



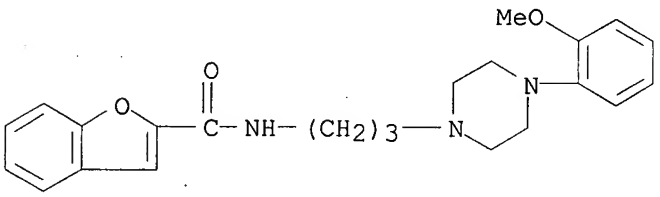
I

AB The title compds. I [R1 = 1-adamantyl, 3-methyl-1-adamantyl, 3-noradamantyl, etc.; R2 = (un)substituted Ph, benzyl, or pyrimidinyl; R3 = H, C1-3 alkyl; n = 0,1; m = 2-5] and their pharmaceutically acceptable salts are used in the treatment of anxiety, depression, and psychoses. Thus, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]-tricyclo[3.3.1.1.3,7]decane-1-carboxamide-HCl hemihydrate (preparation given) was evaluated for its binding of 5HT1A, 5HT2, and D2 receptors.

IT 127266-79-9P 127266-80-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as central nervous system drug)

RN 127266-79-9 CAPLUS

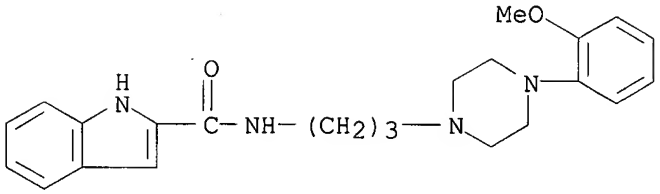
CN 2-Benzofurancarboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 127266-80-2 CAPLUS

CN 1H-Indole-2-carboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

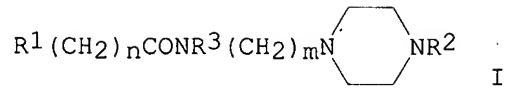
L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:42811 CAPLUS
DOCUMENT NUMBER: 114:42811
TITLE: Preparation of N-[(4-arylpiperazino)alkyl]adamantanecarboxamides and analogs as psychotropic agents
INVENTOR(S): Abou, Gharbia Magid Abdel Megid; Yardley, John Patrick; Childers, Jr Wayne Everitt
PATENT ASSIGNEE(S): American Home Products Corp., USA
SOURCE: Brit. UK Pat. Appl., 39 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2218988	A	19891129	GB 1989-11912	19890524 <--
GB 2218988	B	19911218		
IL 90279	A	19950330	IL 1989-90279	19890512 <--
CA 1340113	C	19981103	CA 1989-599685	19890512 <--
HU 53095	A2	19900928	HU 1989-2488	19890518 <--
HU 205923	B	19920728		
FI 8902424	A	19891125	FI 1989-2424	19890519 <--
FI 94130	B	19950413		
FI 94130	C	19950725		
AU 8935025	A	19891130	AU 1989-35025	19890522 <--
AU 628341	B2	19920917		
ZA 8903836	A	19910130	ZA 1989-3836	19890522 <--
DK 8902499	A	19891125	DK 1989-2499	19890523 <--
DK 168665	B1	19940516		
JP 02015059	A	19900118	JP 1989-129975	19890523 <--
KR 128345	B1	19980403	KR 1989-6857	19890523 <--
EP 343961	A2	19891129	EP 1989-305255	19890524 <--
EP 343961	A3	19910116		
EP 343961	B1	19960110		
R: AT, BE, CH, DE, ES, FR, GR, IT, LI, LU, NL, SE				
AT 132862	T	19960115	AT 1989-305255	19890524 <--
ES 2081302	T3	19960301	ES 1989-305255	19890524 <--
US 5254552	A	19931019	US 1992-852119	19920316 <--
US 5380725	A	19950110	US 1993-91495	19930714 <--

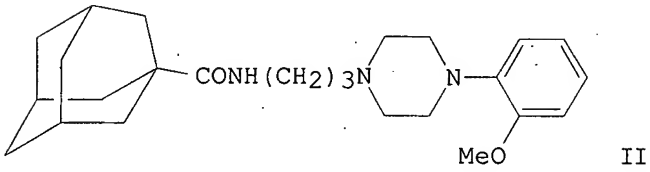
PRIORITY APPLN. INFO.:

US 1988-197890	A	19880524
US 1989-297460	A	19890113
US 1989-335075	B2	19890407
US 1990-493179	A3	19900314
US 1990-533974	B1	19900606
US 1992-852119	A3	19920316

OTHER SOURCE(S): CASREACT 114:42811; MARPAT 114:42811
GI



I



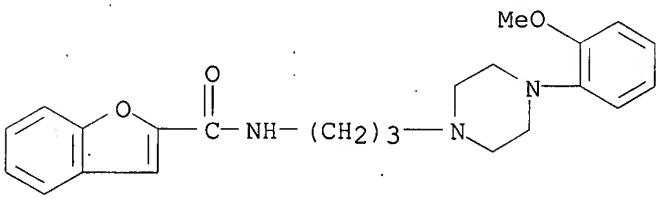
II

AB The title compds. [I; R1 = 1-adamantyl, 3-methyl-1-adamantyl, 3-noradamantyl, (un)substituted 2- or 3-indolyl, 2- or 3-benzofuranyl; R2 = (un)substituted Ph, PhCH2, pyridyl, pyrimidinyl, pyrazinyl; R3 = H, alkyl; n = 0, 1; m = 2-5] were prepared Thus, 3-[4-(2-methoxyphenyl)piperazino]propylamine was stirred overnight with adamantane-1-carboxylic acid chloride to give title compound II as the hydrochloride which had Ki of 1 nM for 5-HT1A receptor affinity.

IT 127266-60-8P 127266-61-9P 127266-79-9P
127266-80-2P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as psychotropic agent)

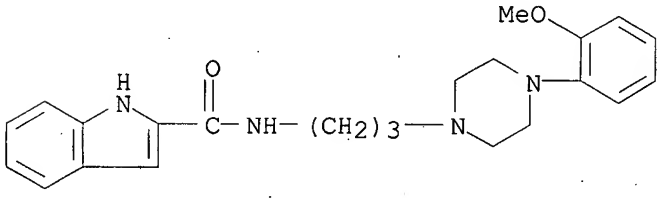
RN 127266-60-8 CAPLUS

CN 2-Benzofurancarboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)



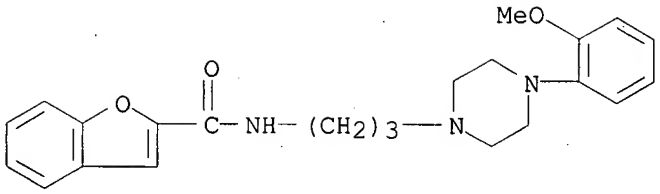
RN 127266-61-9 CAPLUS

CN 1H-Indole-2-carboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]- (9CI) (CA INDEX NAME)



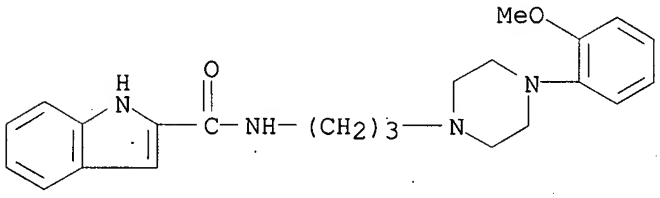
RN 127266-79-9 CAPLUS

CN 2-Benzofurancarboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

RN 127266-80-2 CAPLUS
CN 1H-Indole-2-carboxamide, N-[3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)



●2 HCl

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1973:442558 CAPLUS
DOCUMENT NUMBER: 79:42558
TITLE: N-[-(4-phenyl-1-piperazinyl)alkyl]benzo[b]thiophene or benzofuran-2-carboxamides
INVENTOR(S): Wright, William Blythe, Jr.; Brabander, Herbert Joseph
PATENT ASSIGNEE(S): American Cyanamid Co.
SOURCE: U.S., 4 pp. Continuation-in-part of U.S. 3,646,047 (CA 76;140541w).
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

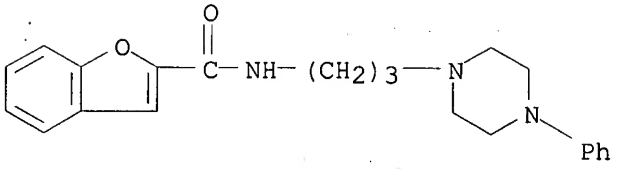
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3734915	A	19730522	US 1971-189727	19711015 <--
US 3646047	A	19720229	US 1970-8090	19700202 <--

PRIORITY APPLN. INFO.: US 1970-8090 A2 19700202
GI For diagram(s), see printed CA Issue.
AB Piperazinylbenzothiophene- or -benzofurancarboxamides (I, R = R1 = H, Cl, R = Cl, R1 = H; X = O, S; n = 2, 3) were prepared Thus, benzo[b]thiophene-2-carbonyl chloride was treated with Br(CH2)3NH2 to give N-(3 bromopropyl)benzo[b]thiophene-2-carboxamide which was treated with 1-phenylpiperazine to give I (R = R1 = H, X = S, n = 3). I are central nervous depressants and analgesics.
IT 36158-03-9P 36158-04-0P 36175-20-9P
36175-21-0P 36175-23-2P 36175-24-3P
36175-26-5P 36175-27-6P 36175-28-7P
36410-63-6P
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of)

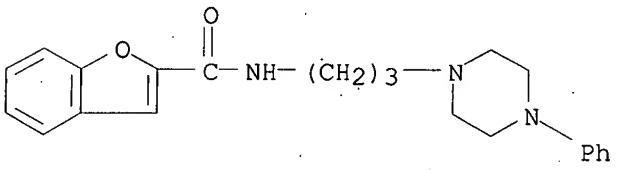
RN 36158-03-9 CAPLUS

CN 2-Benzofurancarboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 36158-04-0 CAPLUS

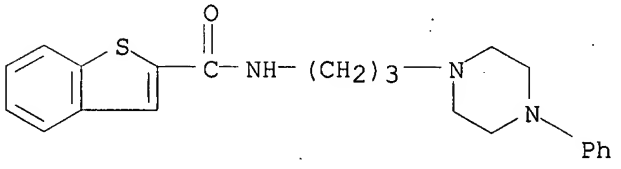
CN 2-Benzofurancarboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

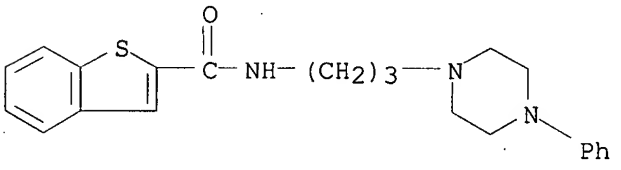
RN 36175-20-9 CAPLUS

CN Benzo[b]thiophene-2-carboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)



RN 36175-21-0 CAPLUS

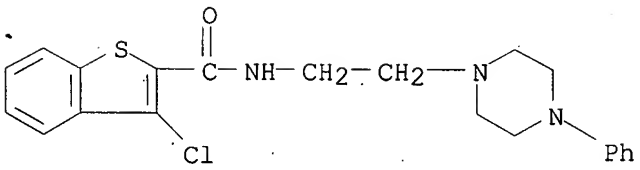
CN Benzo[b]thiophene-2-carboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]-, hydrochloride (9CI) (CA INDEX NAME)



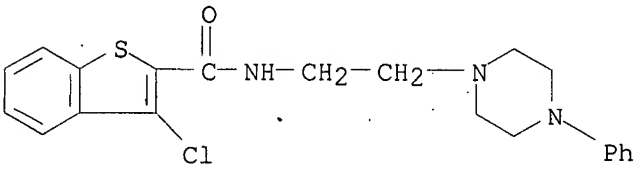
●x HCl

RN 36175-23-2 CAPLUS

CN Benzo[b]thiophene-2-carboxamide, 3-chloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

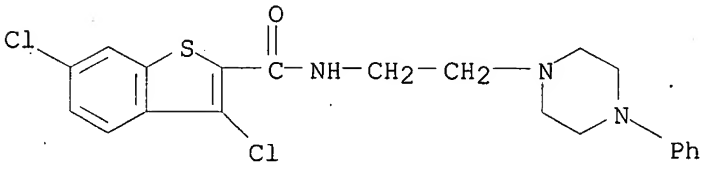


RN 36175-24-3 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3-chloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)

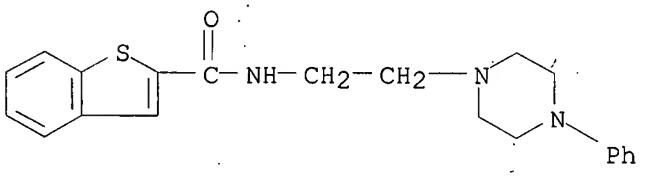


●x HCl

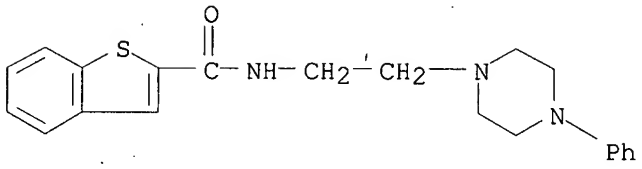
RN 36175-26-5 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3,6-dichloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 36175-27-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

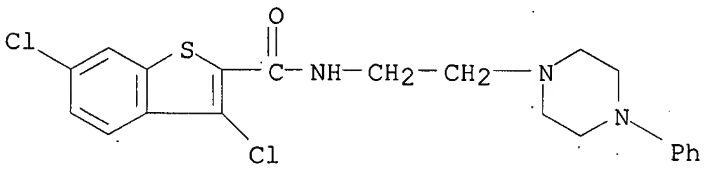


RN 36175-28-7 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 36410-63-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3,6-dichloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



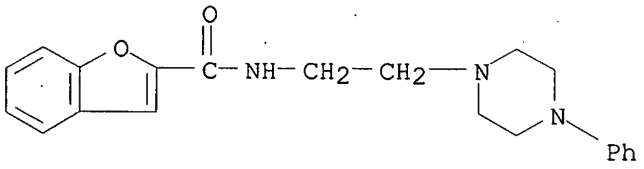
●x HCl

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1972:140541 CAPLUS
DOCUMENT NUMBER: 76:140541
TITLE: Pharmacologically active benzo[b]thiophene-2-carboxamide derivatives
INVENTOR(S): Wright, William Blythe, Jr.; Brabander, Herbert J.
PATENT ASSIGNEE(S): American Cyanamid Co.
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3646047	A	19720229	US 1970-8090	19700202 <--
US 3734915	A	19730522	US 1971-189727	19711015 <--

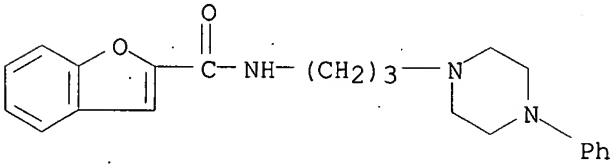
PRIORITY APPLN. INFO.: US 1970-8090 A2 19700202
GI For diagram(s), see printed CA Issue.
AB Carboxamides (I, X = S, O, n = 2, 3, R1, R2 = H, Cl, R3 = 4-phenylpiperidino, 4-phenyl-1-piperazinyl, 5,6-dihydro-4-phenyl-1(2H)-pyridyl) were prepared E.g., treatment of 2-benzo-furancarboxylic acid and N,N'-carbonyl-1-diimidazole with 2-(4-phenyl-1-piperazinyl)ethylamine gave N-[2-(4-phenyl-1-piperazinyl)ethyl]-2-benzofurancarboxamide (I, X = O, n = 2, R1 = R2 = H, R3 = 4-phenyl-1-piperazinyl) (II). Similarly prepared were 16 addnl. I. In mice, II was an analgesic at 200 mg/kg and a tranquilizer at 9 mg/kg.
IT 36158-02-8P 36158-03-9P 36158-04-0P
36175-20-9P 36175-21-0P 36175-23-2P
36175-24-3P 36175-26-5P 36175-27-6P
36175-28-7P 36175-34-5P 36410-63-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 36158-02-8 CAPLUS
CN 2-Benzofurancarboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)

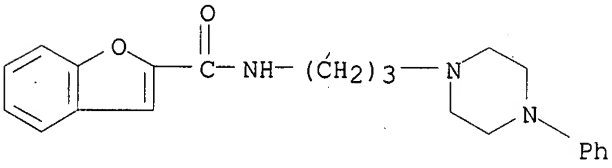


●x HCl

RN 36158-03-9 CAPLUS
CN 2-Benzofurancarboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)

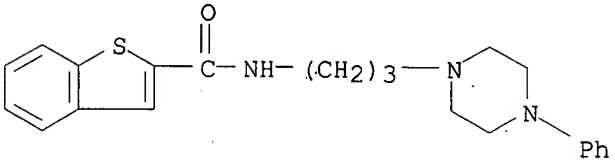


RN 36158-04-0 CAPLUS
CN 2-Benzofurancarboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]-, hydrochloride (9CI) (CA INDEX NAME)

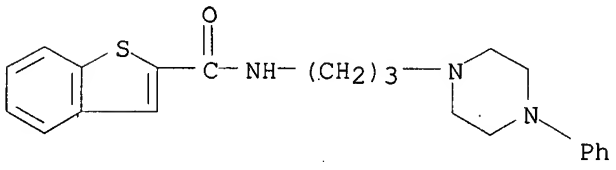


●x HCl

RN 36175-20-9 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]- (9CI) (CA INDEX NAME)

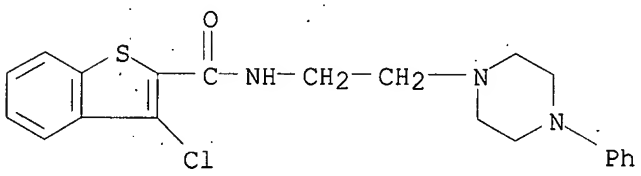


RN 36175-21-0 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[3-(4-phenyl-1-piperazinyl)propyl]-, hydrochloride (9CI) (CA INDEX NAME)

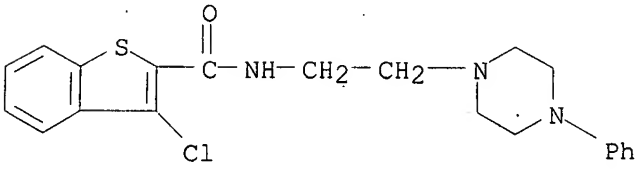


●x HCl

RN 36175-23-2 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3-chloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

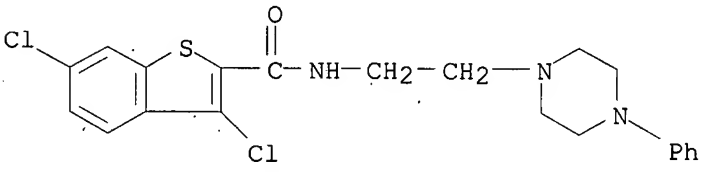


RN 36175-24-3 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3-chloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)

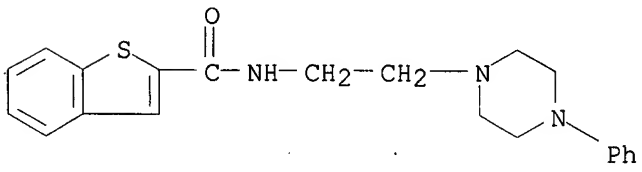


●x HCl

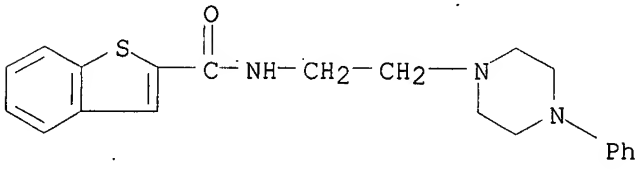
RN 36175-26-5 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, 3,6-dichloro-N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 36175-27-6 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)

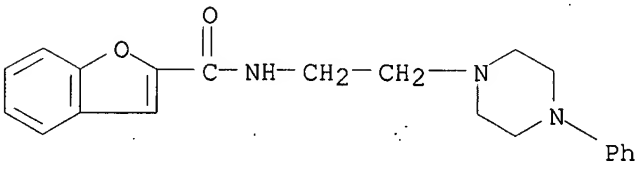


RN 36175-28-7 CAPLUS
CN Benzo[b]thiophene-2-carboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 36175-34-5 CAPLUS
CN 2-Benzofurancarboxamide, N-[2-(4-phenyl-1-piperazinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 36410-63-6 CAPLUS
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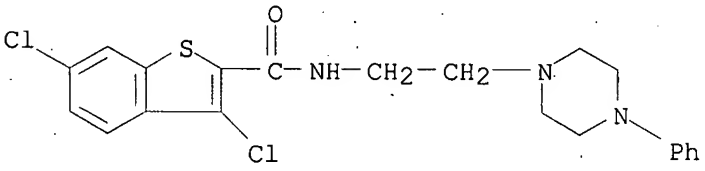

●x HCl

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L2 4 S L1

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L3          116 S L1 FULL

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L4           34 S L3 FULL
L5            7 S L4 AND PY<2002

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    40.78     214.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -5.46      -5.46

STN INTERNATIONAL LOGOFF AT 11:05:27 ON 03 OCT 2007
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